

The Tech

Z-296

Vol. LX No. 7

CAMBRIDGE, MASS., FRIDAY, MARCH 1, 1940

Price Five Cents

Class Of '41 Junior Prom Starts At 10

Promenade Is Highlight
At Affair Tonight
In Statler

USHERS ARE CHOSEN

Claiming the distinction of being the first Junior Prom in recent years to stage a promenade, the Class of '41's Junior Prom will be held tonight in the Imperial Ballroom of the Hotel Statler from 10:00 P.M. to 3:00 A.M.

Called a complete sell-out by the committee in charge, the dance has been run closer to the approved budget of \$2,205 than other dances in the past. Glenn Gray and his Casa Loma orchestra will provide the dance rhythms for the evening.

Statler Decorates for Prom

Highlights of the evening according to the committee will include new lighting effects arranged by the Statler Hotel, floral decorations, and a special bar in the foyer, in addition to more dancing space. In order to provide additional dancing room, eight fewer tables were reserved this year than last.

Fifteen members of the class of '42, under the direction of Paul W. Witherell, '40, have been selected to act as ushers for the dance.

Ushers Listed

The sophomore ushers include James H. Henderson, Jr., Robert S. Shaw, Franklin M. Cist, Walter E. I. Davies, William E. Hense, Jr., Shepard Y. Tyree, Jr., John T. O'Connor, James F. Hoey, Jr., David B. Nicholson, Ben A. Elmdahl, Harvey I. Kram, Robert W. Keating, William J. Vallette, John W. Jenkins, and Warne P. Johnson.

Dramashop Play Will Be Realistic

Spring Production Stresses
Simplicity In Scenery,
Mobility Also

Realism, simplicity, and mobility will be the keynote of the scenery for the Dramashop's Spring Production, "Cyrano de Bergerac". In this respect the Shop is following the recent theatrical trend away from the ornate baroque stage designs, Norton Polivnick, '41, emphasized, and no attempt would be made to adhere to the scenery-less impressionist school of Thornton Wilder.

Edith M. Cameron, '40, is in charge of the designing and painting of the set and Fred Johnson, '40, is in charge of construction. Designs for the sets were made by Lisa Minevitch, '42, William E. Lunt, '40, Phyllis Winter, (Continued on Page 4)

Stratton Prize Speakers Address Chem. Society

Three Stratton Prize speakers and a moving picture on sulphur entertained the members of the Chemical Society at their meeting last night in Room 6-120.

Leo W. Rainard, '40, Richard M. Powers, '40, and Samuel I. Omansky, '40, spoke on "Casein Products", "Catalysis", and "Synthetic Rubber", respectively. Omansky and Rainard illustrated their talks with exhibits.

Because they are the only students from Course V entered in the Stratton Prize competition, these three are automatically in the semi-finals.

With Casa Loma



Kenny Sargent, Vocalist

T. C. A. Appoints Sterling H. Ivison 1940 President

Fry, Whitney, Bowker Also
Elected To Manage
Organization

Sterling H. Ivison, Jr., '41, has been elected president of the T.C.A. for the coming year, it was announced by the organization last night. He will take his position as head of the T.C.A. and as a member of the Institute Committee, immediately, as a result of the new succession ruling.

The other newly elected officers are Sam Fry, '41, vice-president; Charles B. Whitney, '41, secretary, and Albert H. Bowker, '41, treasurer. The four new officers, the retiring officers, and the general secretary, Mr. Wallace M. Ross, will appoint the new committees to take charge of the coming year's activities which will be announced at the annual luncheon meeting Saturday, March 16.

Ivison Published Handbook

Sterling Ivison was manager of the publishing division of the T.C.A. last year, and in charge of the Handbook and blotter. Sam Fry was director of freshman camp last fall. Charles Whitney was one of the directors of the Boys' Work division in charge of one of the settlement houses. Albert Bowker was chairman of the Drive committee.

The retiring officers are William H. Hagenbuch, '40, president; James E. Fifield, '40, vice-president; William R. Taylor, '40, secretary, and James J. Shipman, '40, treasurer.

Freshmen Hear Magoun Lecture

About three hundred freshmen learned the difficulties of choosing a professional career yesterday in Room 10-250 when Professor F. Alexander Magoun opened the Course Counseling series.

This lecture was the introduction to the T.C.A. Course Counseling program, which aids the freshmen who have not yet reached a final decision on the course they intend to take.

Pamphlets Distributed

After the lecture, pamphlets entitled "What Price Technology" were given out to those present. The booklet is a reprint of an article which appeared in T.E.N. last fall describing the various courses offered by the Institute.

The Course Counseling Committee also announced that tickets to the teas to be given by the different courses will be mailed to those freshmen who requested information. If anyone is interested in any course, he may obtain a ticket to that department tea at the T.C.A. office.

C. P. S. Asks For Investigation Of Its Duties By Inst. Comm.; Officers Elected Last Night

Murdock Is Elected Vice-President Of Group

D. Morgenthau Chosen
To Fill Committee
Vacancy

Two new officers of the Institute Committee were elected last night in a stormy ninety-minute meeting of that body.

John B. Murdock, '41, was made vice-president, and David T. Morgenthau, '40, a member of the executive committee. Murdock succeeds Thomas F. Creamer, '40, who is now chairman of the Inst. Comm.

New Men Seated

The new members of the Institute Committee took their seats at last night's meeting in accordance with the succession amendment. After a short recess was called during the period of "new business," the "lame duck" members left and were replaced by their successors.

A motion requiring all future budget and appropriation measures to be given to a special committee for consideration after presentation to the Inst. Comm. was defeated. Thirty minutes of heated controversy preceded the final vote on this proposal, introduced by Wilson M. Compton, Jr., '41.

Ahrendt Leads Smoker

The appointment of William R. Ahrendt, '41, as chairman of next year's (Continued on Page 4)

Peace Federation Elects Officers

Kunreuther Made President;
Constitution Changes
Are Defeated

New officers of the Technology Peace Federation were elected at a business meeting last Wednesday at 5 P.M. in the East Lounge. Several proposals to change the constitution of the Federation were defeated.

Frederick Kunreuther, '41, is the new president, replacing I. Seth Levine, '40. William Sussman, '40, is taking over the position of vice president, which was vacated by the resignation of Paul W. Witherell, '40. David L. Shapiro, '41, was elected to the executive committee.

There were several motions from the floor to change the aims of the Federation and to alter its structure. All these proposals were defeated.

Janet Norris Will Head M. I. T. Women Students

Janet Norris, '42, was elected president of the Association of Women Students at a dinner meeting held Wednesday, February 28, in the Margaret Cheney Room. Miss Norris is playing the leading feminine role, as "Roxane", in Dramashop's forthcoming production "Cyrano de Bergerac".

The other officers elected at this dinner, which was prepared by the coeds, were Leona R. Norman, '41, vice-president; Mary E. Guinan, '44, secretary, and Marie J. Anton, '43, treasurer.

I. F. C. To Hold Annual Dance At Hotel Statler

The Interfraternity Dance Committee has selected the Imperial Ball Room of the Hotel Statler as the rendezvous for their forthcoming annual dance it was announced last night. Although the date has not as yet been decided, the committee hopes to obtain Kay Kyser or Jan Savitt to supply the dance music.

The committee for this dance is composed of Franklin E. Penn, '40, chairman; Thomas F. Creamer, '40, Robert W. Blake, '41, Nathaniel Sage, '41, William R. Burke, '40, John J. Holloman, '40, Wesley J. Van Sciver, '40, Joseph C. Jeffers, '40, and John J. Gray, '40.

Freshman Council Is Approved By Institute Comm.

'43 Elects Representatives,
Alternates During
Past Weeks

The twenty-five members-elect of the Freshman Council and their alternates were officially approved at the meeting of the Institute Committee last night.

The representatives are John J. Hess, Section 1; Elliot C. Payson, 2; Raymond P. Mork, 3; Andrew C. Peacock, 4; Malcolm C. Walker, 5; John J. Sullivan Jr., 6; John Peterson, 7; Charles A. Duboc, 8; Ernest C. Crocker, 9; Warren E. Foster, 10; Ira G. Cruckshank, 11; Christian J. Matthew, 12; Robert A. Nelson, 13; Stewart Rowe, 14; Michael Salvatore, 15; Thomas K. Maples, 16; S. R. Childerhose, 17; James O. McDonough, 18; Robert L. Mitchell, 19; Robert S. Reebie, 20; Robert S. Rouffa, 21; John M. DeBell Jr., 22; William A. Selke, (Continued on Page 4)

Debaters Contest Isolation Policy

In a no decision debate on "Isolation", the Institute debaters met the Georgetown team Wednesday night in Room 2-390. Tonight, the Tech Freshmen will invade Harvard for a scheduled debate at 7:00 P.M.

The Freshman team, which will discuss "Helping the Allies in case they are faced with certain defeat", will be composed of Ward J. Haas, Raymond F. Frankel, and James L. McDonough.

Georgetown Practises

It is interesting to note, said Stanley Backer, '41, manager of the Technology Debating Society, that in 180 years of debating the Georgetown teams have the unique record of having lost but five debates. Also, before the debaters are allowed to debate on a certain subject they must have spent two hours a night, for five nights a week, for three months on said subject.

Samuel I. Omansky, '40, and Paul M. Eriandson, '41, represented Tech in this debate while Rick Watson and Tom Callahan of Georgetown were their opponents.

Hammesfahr Heads C.P.S. Inquiry Committee

Investigation Will Produce
A Suitable Program
For Society

Because of the motion brought up before the Institute Committee for the fourth time in two years an Institute sub-committee to investigate a possible program for the Combined Professional Societies was appointed last night by the Institute Committee at the request of the C.P.S. president, Frederic W. Hammesfahr, '40.

The committee, composed of Hammesfahr, chairman; David T. Morgenthau, '40, and William R. Ahrendt, '41, has been requested to prepare a final report to be submitted at the next Institute Committee meeting. This group's three predecessors all reported that without the responsibility of Open House, the C.P.S. apparently had no worthwhile program justifying its existence.

Resolution Presented

This action was taken after Hammesfahr had read a resolution prepared by the C.P.S. executive committee, stating that unless the Institute Committee saw fit to make the Stratton Prize contest and Open House the responsibility of the C.P.S., there would be no reason for its existence.

A short while after the committee for investigation had been appointed and the discussion ended, the matter was reopened.

Compton Unveils 4 Oil Portraits

Paintings By Mrs. Browne
Given To Institute
By H. Wood

President Karl T. Compton presided at the unveiling of portraits of four distinguished scientists, Wednesday afternoon, February 28th, in the President's office. The paintings were done by Miss Margaret Fitzhugh Browne, a Boston artist.

The portraits, which were presented to the Institute through the generosity of the late Mr. and Mrs. Henry A. Wise Wood, complete the series of portraits in oil of distinguished engineers and scientists, which have been presented to Technology by the Woods.

Two Institute Graduates

The recent set consisted of the portraits of Charles A. Stone, '88, Edwin S. Webster, '88, both graduates of the Institute; Dr. Arthur Little, outstanding Chemical engineer, and Samuel F. B. Morse, inventor of the telegraph.

After the unveiling of the portraits, Dr. and Mrs. Compton entertained a number of guests at a tea. Among those present were Miss Browne, the artist; Dean Walter R. MacCormack of the School of Architecture, and Mrs. MacCormack; Professor Edward L. Moreland, Dean of Engineering, and Mrs. Moreland.

Mr. G. Howard Maynadier, Mr. and Mrs. Earle P. Stevenson, Mr. Royal Little, a nephew of Dr. Little; Mrs. Delia W. Wheelwright, Dr. Samuel C. Prescott, Dean of Science, and Mrs. Prescott; Mr. and Mrs. James R. Killian, Jr.; Dr. Harry M. Goodwin, Dean of the Graduate School; Miss Mary Forbes, Mrs. George Mathews, Dr. (Continued on Page 4)

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MASSACHUSETTS INSTITUTE OF TECHNOLOGY

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Offices of The Tech

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Night Editor: Robert P. Richmond, '43.

C. P. S. AGAIN

Yesterday the much-bedeveled Combined Professional Societies asked the Institute Committee to investigate the feasibility of throwing the C. P. S. out of its ranks.

By so doing it showed that as an activity it is a flop. It admitted, after two years of criticism, that without Open House, which was in its hands a few years back, it has nearly nothing to do, though true it is that the C. P. S. aids the Stratton Prize Contest.

The president of the C. P. S. stated that its total accomplishments for the year were the starting of the Camera Club, the printing of membership cards, and effecting a membership compromise between two chemical societies, besides helping in the contest.

Do such achievements warrant Class A rating of the Institute Committee? The answer is obviously "No." If the 19 member societies are so uninterested in school affairs that they vote themselves out, then it is only logical that the Institute Committee follow suite.

Moreover, these accomplishments are open to question. Organizations have started without the help of the C. P. S.; if there were no C. P. S. there would be no need of printing membership cards; and, most likely, the two chemical societies could have come to some agreement of their own.

The Stratton Prize Contest offers the only reason for the continued survival of the Society. But the situation is like that of an ancient rattle-trap with one good spot-light. The logical thing to do is throw away the wreck and keep the light.

ACCIDENT HOURS

It has recently been brought to our attention that there is no doctor on duty at the Homberg Infirmary from ten to ten-thirty in the morning and from two to three-thirty in the afternoon.

In an Institution such as Technology this condition should not exist. A doctor should be on duty constantly at least during all school hours, because in spite of safety measures the Institute is a place where accidents do happen. Research is being carried on in various fields, all of which involve some liability to physical danger. Several thousand students are working in laboratories as part of their regular courses. Hundreds are taking part in sports.

On the face of things, it is not consistent to discriminate against the hours mentioned above. Research, laboratory work, and athletics go on at three o'clock as well as

at noon. Students and staff members are as likely to be hurt at ten o'clock as at eleven.

The other side of the story is weak. A doctor is "on call" at the Infirmary at all hours. If someone is injured, there is a fair chance that a doctor can be procured quickly, but there is just as good a chance that the time it takes one to arrive will be costly.

This "on call" system may be justifiable during the night and weekend when accidents are less likely to happen but it is definitely inadequate during Institute hours. Accidents are not going to be sure there is a doctor on hand before they occur.

THE READER SPEAKS

Editor, The Tech,

Your editorial condemning the proposed cut in appropriations for the National Youth Administration was timely indeed, and I second everything you said. I would like, however, to place additional emphasis on some of your remarks.

You suggested that cuts in the National budget should be made in armaments rather than in N.Y.A. Every progressive American recognizes that the defense of our democracy means the extension of educational opportunity to needy young people; any additions to armament appropriations are suggested only with an eye towards involving the United States in the present European conflict. Yet the administration's budget for the coming year embodies just the recommendations that are dangerous. Where Roosevelt as a New Dealer each year increased the government's expenditures for the social needs of the people, the new FDR proposes, in the name of "economy", reductions in the appropriations for human needs, but invalidated his economy talk by adding an expenditure of \$500,000,000 for "national defense".

Note, also, that simultaneously with the budget cuts, which will force 1 out of every 3 college N.Y.A. workers out of his job, Aubrey Williams, administrator of the N.Y.A., submitted lists of names and addresses of N.Y.A. workers, without their permission, to the Army and Navy for recruiting purposes, and offered as an excuse that young people should be proud to serve in the defensive forces of our country. And that Mrs. Roosevelt recently told the American Youth Congress that youth should not take a positive stand against war because something catastrophic might occur in the next few months which might make us change our minds.

We students must be quick to recognize this movement toward war in the administration's policies. We who will be the cannon fodder must oppose the curtailment of democracy at home in favor of expenditures that will enable us to defend the borders of democracy which Pres. Roosevelt professes to see in Finland and France. That is why the American Student Union asks all students, especially those on N.Y.A., to write to their representatives in Washington now, before the budget hearings on March 15, demanding restoration of the budget cuts in place of armament expenditures. That is why the A.S.U. asks all students to join with us and with other progressive organizations in raising the battle-cry of American Youth: "Not to Finland nor to France—The Yanks Are NOT Coming".

Sincerely yours,
WILLIAM SUSSMAN,
Pres. American Student Union.

Dear Editor:

February 27, 1940.

Now that exams are over and everyone is more or less settled into the routine of his new schedule, there may be some who feel that they would like to go into Boys' Work, but who are hanging back because they feel that it is too late in the year to start. This is definitely not the case, however; settlement houses are still forwarding their unending requests for volunteers.

There are at this moment a great many boys' clubs already organized but who need the guiding personality of a leader. The leader of such a club need have no special talents or experience, the only requirements being that he be genuinely interested in his boys and be willing to work with them.

For those men who have special interests there are a great many opportunities. Model aeroplane instructors especially are in a great demand and scout leaders are just as badly needed. Other men are needed in fields varying from recreational program and dancing leaders to woodworking and photography. Men who think that they might like to take one of these special interest groups but hang back because they feel that they are not highly skilled enough, can banish the thought. Although many houses have excellently equipped workrooms, the emphasis is not on the quality of workmanship but on the intangible benefits which are many—that the boys derive from constructing things with their hands while in the fellowship of their leader and their playmates.

Let us also repeat that prospective leaders need not consider the financial end of the matter. The settlement houses or the T. C. A. will refund transportation costs; and most settlement houses will provide the materials and tools needed for special interest classes. Two hours per week is the usual time spent at a settlement house; the day of the week and the time of day usually being varied to suit the leader and his club. Although M. I. T. students are preparing themselves for their future jobs, above all as engineers, they will be dealing with people. With this in mind, the two hours spent by a leader with his club can be made the most valuable time in his school life.

Yours truly, W. H. SHAW, '42.

Reviews and Previews

MUSIC

The Boston Symphony Orchestra, conducted by Serge Koussevitzky will perform tomorrow afternoon at 2:30 and on Saturday evening at 8:15. Mr. Smeterlin will appear as soloist at the piano.—SYMPHONY HALL.

Szigeti, celebrated violinist, will present a concert on Sunday afternoon, March 10, at 3:30. JORDAN HALL.

SCREEN

The Story of Dr. Ehrlich's Magic Bullet. Edw. G. Robinson, Ruth Gordon, Otto Kruger, Donald Crisp. From gangster to scholarly scientist is one easy step for Robinson. Granny Get Your Gun. May Robson, Margot Stevenson, Hardie Albright. Nevada, ghosts, and murder, all neatly cleaned up by Grandma Robson.—METROPOLITAN.

He Married His Wife. Joel McCrea, Nancy Kelly, Cesar Romero, Roland Young. Do they do that nowadays? The Man Who Wouldn't Talk. Lloyd Nolan, Jean Rogers. Funny titles they have in this day and age. Next will be "The Woman Who Wouldn't Talk." Then we'd have something.—PARAMOUNT & FENWAY

Little Old New York. Alice Faye, Fred MacMurray, Richard Greene. Life in New York in the good old days retold again. The Saint's Double Trouble. George Sanders. That man is here again.—KEITH MEMORIAL

Louise. Grace Moore, George Thill. A well-done adaptation of the French opera of the same name.—FINE ARTS



Elevators

The elevator in Building 10 at the fourth floor one afternoon half full, leaving room for four more people. When the door five dignified ladies appeared, patiently. Seeing the male ment of the elevator sent a shiver through these dames, a leader sniffed with a smirk, "A we'll wait."

Ten minutes later the five were seen panting up the five stairs to the library.

Volunteer

There exists the rather lively chap namely one sports writer Tech who became sort of excited the misplaced arctic weather been having. It is rumored that hit by a snow ball yesterday and up the American Red Cross in and offered his services, if a went wrong and they needed him. So they put him on the disaster list. He is patiently waiting disaster.

Flowers Telegraphed to All Parts of the World

August

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RIGHT ☐ WRONG ☐



2. Police Radio Telephone made by Western Electric is a outgrowth of research at Bell Telephone Laboratories.

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RIGHT ☐ WRONG ☐



4. Lowest telephone rates to most out-of-town points are available every night after 7 P. M. and all day Sunday.

RIGHT ☐ WRONG ☐

ANSWERS:

1. Wrong. Telephone Conference Service enables you to talk simultaneously with as many as five other people.
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3. Wrong. Over 95% is now protected by cable — nearly 2/3 of which is underground.
4. Right. Why not telephone home oftener? Your family will enjoy it—so will you!



BELL TELEPHONE SYSTEM

COURT FINALE AT 7:30 TONIGHT

SPORT SLANTS

by Harvey Kram

Tonight's basketball game will close one of the most successful seasons in past years and will be the last time Tom Creamer and Dick Wilson will appear in Tech uniforms. The game has been set ahead for 7:30 so that those attending the Junior Prom can also witness the final contest.

Tech's defeat at the hands of Bates last Wednesday was surely a sad spectacle. The Beaver Quintet has defeated some of the best teams it played this season, and on the other hand has lost to two of its weakest opponents. Why?

Your correspondent does not wish to cast any reflections on the Tech players. Surely there is some good talent there. Tom Creamer, the present captain, has exhibited some real basketball playing. Dick Wilson has certainly proved to be a "natural", and the fact that Howie Samuels was crowned high scorer of New England during his freshman year proves him to be of no mean ability on the basketball court. Yet, the poor passing in the last game, as well as previous matches, has shown the squad to be sadly lacking in teamwork. Here's hoping that they'll click tonight and finish the season off in a style well befitting the spirit of the men on this year's quintet.

Should the Charles River suddenly resound with battering noises and hearty shouts some afternoon in the near future, it will be the Tech crews butting their way through any remaining icebergs in their anxiety to get ready for what looks to be one of their best seasons in recent years.

Under Bob Moch's very able coaching the varsity crews are beginning to show form. They are being taught the famous Coniber Stroke which has been used successfully at Harvard, Yale, Princeton, and Washington; having originated at the latter school a few years ago.

There have been approximately one hundred and twenty men out for the varsity, one-fifty's, and freshman crews. This is a pretty good turnout, and as a result we'll probably have about three crews working for the number one shell. However, there is still plenty of room in the boat house for any men who would like to come out. Tech's rowing mentor is particularly anxious to see sophomores come out, so that he may develop good material for future seasons. There is also a demand for coxswains.

About half of the squad is attending the training table recently established in Walker. This set-up is doing a great deal towards establishing a bond of good fellowship and teamwork among the members of the crew. As Bob Moch stated, the reason he has the training table is because the men up at the boat house during practice don't get the opportunity to find out what's in the back of the other fellow's head but only what comes off the end of his oar.

Two varsity track men—Lewis T. Jester, Jr., '41, and Eugene J. Brady, Jr., '42—are to represent Technology in the IC4A Track and Field Championships at Madison Square Garden, New York tomorrow night.

Jester, 1939 winner of the Technique cup for outstanding spring track performance, will be competing against such stars as Dugger and Hall of Tufts, and Shields of Yale in the 60 yards high hurdles while Brady (who holds the Briggs track and M.I.T. freshman outdoor half-mile records) is entered in the 600 yard run against a field headed by Herbert Thompson of N.Y.U.

SEASON ENDS FOR THESE STICKMEN



This season's Hockey Team deserves credit for the admirable way in which they spiritedly represented Technology on the ice. Left to right they are:—Front Row: Waller, Arnold, Browning, Gordon, Kaneb, Danforth, Cadogan. Rear Row: Mayer (mgr.), La Croix (coach), Sage, Christison, Hart, Gregory, Owen (coach).

Hockeymen Topped Beaver Key Fives In Close Game With B.C.

Eagles Keep First Place In The New England Conference

Sparked by Jim Gordon, Nat Sage, and George Kaneb, an inspired Engineer sextet threatened to upset untied, unbeaten Boston College up until the final gong before succumbing 4-3 last night in the Boston Arena.

This clash, the last of the New England League season, left the Maroon and Gold far ahead in the final standing with the M.I.T. pucksters firmly entrenched in fifth place with .364 average in the win-loss column.

Eagles Score Twice

Before the first period was half over the league-leading Eagles had pushed two goals past goalie Jim Gordon. But the Beaver attack and defense both began to function about this time, and the game underwent a swift change in complexion.

Bill Cadogan, unassisted, rifled a shot into the Eagle cage, just beating goalie Sharkey in 13:01. A short 4:34 minutes later the score was tied when "Lucky" Pierre Kaneb dented the nets after a pass from Cadogan set up the play.

Kaneb Evens

Not until the fourth minute of the middle period did the powerful B.C. attack produce results, with "Flashy" Dumond doing the actual scoring on a pass from Ray Chaisson. The Tech forward line kept hammering away, however, and broke through at 10:10 when Kaneb stickhandled his way past the defense and lofted a shot into the far corner of the strings.

The Tech second line played inspired hockey for the next ten minutes, completely handcuffing the Eagle forward line long before the B.C. lads could get within firing range. A screen shot early in the third session by Ray Chaisson past a tired Gordon, proved to be the margin of victory.

Nine Remaining Clubs Seek Round Robin Berths For Cup Try

Having already eliminated twenty-five teams, the nine remaining basketball clubs in the Beaver Key tournament are now straining to put in a last bid for the intramural finals. Since Monday night, three more houses have moved into the higher-up brackets. Phi Gamma Delta, last year's champs, headed the fighting Goodale five, 34-30; Phi Beta Delta, in two overtime periods, barely nosed out Munroe to win by one foul shot, 18-17; and Sigma Alpha Epsilon took an easy victory over Alpha Tau Omega, 25-10.

The most spirited game so far came Monday evening when Phi Gamma Delta met Goodale. It was nip and tuck all the way. Goodale made the first successful toss and was ahead at the half, but the Phi Gam's made a third period spurt to forge into the lead. High scorers for the well-organized P.G.'s were Bill Taylor with eleven points and Bill Hooper with eight. For Goodale, Leonard Dine, Dave Herron, and Greg Azarian each hit the strings for six counters.

Phi Beta Delta In Overtime

The Phi Beta Delta-Munroe contest was the longest yet played in this season's tournament. Munroe, following the general course of the Dorm teams, took an early lead, but stood tied 9-9 at the end of the third quarter. After the fourth period was finished the score was 17-17, hence, the game went into overtime. In the first overtime period neither team could get an opening, but, in the second, a foul on Maurie Katz opened the way to a one-point victory for P.B.D. Katz and Dick Lazarus played stellar roles for their fraternities, while Bob Greenes and Al Kusch held down the fort for Munroe.

In the Sigma Alpha Epsilon-Alpha Tau Omega game, it seemed as if the

(Continued on Page 4)

Tech Five Meets Strong Squad Tonight

Creamer, Wilson Play For Last Time With Hoopsters

In their season finale tonight at 7:30, the Beaver hoopsters will be able to close this year's win ledger with a .600 average if they are able to defeat a strong Norwich five in the Hangar gym.

Norwich has had a successful season to date, having lost by small margins to only four teams in a total of ten games. Their club is composed almost entirely of veterans who have seen at least two seasons' experience. Captain Mason is one of the leading scorers for the team and is a very fast man.

Center Matches Wilson

Guards Henderson and Hughes are well-known in Vermont and are particularly noted for their fine individual and combination defensive play. Maynard and Durkee are sharpshooters of the first mark, while McClosky, a six foot five center of no mean ability, should balance considerably the advantage which Wilson generally gives the Beaver team.

When they were shaded 29-27 by Bates, Wednesday night, the Tech team was not in very good form, especially during the first half. Everyone was handling badly and no-one was fighting as hard as usual. Passing was erratic and the shooting of the entire team was bad. Things bucked up during the second half, however, but not enough for a Beaver victory.

Scores with 30 Seconds Left

Until the second half was twelve minutes old the Cardinal team had things pretty much its own way, Glick scoring three baskets and Wilson two baskets and two foul shots. The only points for Bates came from a basket scored by Belleweaw. This gave a Beaver edge of 27-20, but Bates started catching up rapidly. Flanagan evened things up at 27-27, with a minute to play. Then Webster put one in, with only half a minute left to play, and the end came with Tech under Bates' basket and Bates the winners 29-27.

The probable line-up for tonight's game will be:
Earnest Artz, '42L.G.
Thomas Creamer, '40R.G.
Dick Wilson, '40C.
Howard Samuels, '41L.F.
Sanford Glick, '41R.F.
Substitutes: Fred Herzog, '41; Sol Goldfarb, '41; Jerome Coe, '42.

Tech Swordsmen Take Worcester In Frosh Match

The Tech freshman fencers took their first victory of the season when they defeated Worcester Academy 19 to 8 in a match in Walker Gym Wednesday. Richard Ackerman, the team captain, turned in top score, winning three foil bouts, one epee bout, and tying a second epee bout.

In the foil Ackerman, Billings, Wheeler and Colsmann won for Tech making the foil score MIT 8—Worcester 1. Ackerman, Scharff, Robinson, Hartvig and Shoffner won in the epee.

Score Of 846 Wins Match For Faculty

In a shoulder-to-shoulder match last night on the M.I.T. range, the Faculty pistol team with 846 points defeated the Varsity freshman, Cambridge Gas and Light, and Lexington Minute Men teams with respective scores of 834, 760, 775, and 744.

Mustin of the Faculty squad was individual high scorer with 176. At a meeting last Monday night, the freshmen elected Lawson R. Ott captain of the team.

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CALENDAR

FRIDAY, MARCH 1

Swimming Meet with R. P. I.—Away.
5:00 P.M. Squash with Princeton—Home.
7:00 P.M. Freshman Debate vs. Harvard at Harvard.
7:30 P.M. Basketball Game with Norwich—Home.

SATURDAY, MARCH 2

12:15 P.M. Professor Schell's Luncheon—Silver Room, at Walker.
2:30 P.M. Rifle Match with Bowdoin—at Home.
3:00 P.M. Freshman Wrestling with Springfield—at Home.
4:00 P.M. Dorm Junior's Tea Dance—5:15 Club Room.
6:30 P.M. Camp Eastward Ho Dinner—North and Faculty Hall, at Walker.
7:00 P.M. IC-4A Track Meet—Away.
8:00 P.M. Swimming Meet with Union—Away.

MONDAY, MARCH 4

5:00 P.M. A. S. U. Debate—Room 6-120.

High Voltage X-Ray Produces New Artificial Radio-Activities

There was a time when 92 elements were considered enough trouble but "them days are gone forever". New elements, isotopes and other pseudo elements are discovered right and left. The latest additions, three new forms of radioactive indium, were announced by Professors Robert J. Van de Graaff, Lester G. Van Atta, Chester M. Van Atta, and Doyle L. Northrup at the meeting of the American Physical Society last Saturday.

The report of the new radioactivities, existence of which was established last week, supplemented a scientific paper on the high-voltage production of positive electron beams with the Institute's electrostatic generator. Manifestations of the new activities became apparent at slightly under 1,000,000 volts, and the yield mounted rapidly as the voltage was increased.

Emit Gamma Rays

This research revealed that in the process of decay the nuclei of radioactive indium gave off gamma rays,

or photons, which are in part converted into high speed electrons inside the atom itself. This new complex system of activities in indium suggests what has been suspected: that it may be possible to produce a great number of valuable artificial radio-activities by high voltage X-rays.

Since the Institute's electrostatic generator can be charged with positive or negative electricity, either positive ions, such as protons or deuterons or electrons can be accelerated down the discharge tube. Considerable study of the effects of the protons and deuterons has been accomplished by means of cyclotrons, but investigation of nuclear reactions produced by high speed electrons provides a promising and relatively unexplored field. In the production of electron beams, the method of direct acceleration employed in the electrostatic generator has special advantages, for it provides concentrated electron beams of hitherto unequalled intensity for pioneering on this new frontier of nuclear physics.

Frosh Triumph In Track, Tie In Gym Team Match

After winning a track meet and tying a gym match Thursday, the freshman athletic teams are in high spirits. Tech cinder grinders ran the Tufts frosh off the Tufts field by a score of 43½ to 37½. In Walker, the gymnasts came out even with Braintree, 27-27.

Although handicapped by a track not quite up to the standards of Tech sprinters, results showed this obstacle overcome. In the 50-yd. low hurdles, Charlie Coles and Larry Stewart took first and second respectively. The 1000-yard event was won entirely by Tech men, Bill Cochran coming in 50 yards ahead of the rest. McJuddkins threw the shot 44 feet to take a first, and Bruce Horst in his pole vault of 11 ft. 1 in. missed the Tech record by three inches.

Tufts Up on Jumps

Tufts was trailing far in the rear until the last two events. In the broad jump, Price of Tufts, Dick Henning of Tech, and Long of Tufts came in in that order. In the high jump, Price's supple legs again distinguished themselves and took him up to 5 ft. 8 in. Coles and Hugh Pastoriza followed closely on his heels. This effort by

Inst. Comm.

(Continued from Page 1)

All-Tech Smoker Committee was approved.

Elections to a large number of groups were approved. Selections for the freshman council, T.C.A., Radio Society, Combined Musical Clubs, 5:15 Club, and the election of Eugene E. D. Crawford, '41, to the presidency of Gridiron were ok'd.

Elections Men Named

The announcement of the election of three Senior members of the Elections Committee was also made. The new men are Donald B. Cameron, '41, Joseph H. Myers, '41, and Albert H. Bowker, '41.

After a long discussion on the desirability of tabling the motion, changes in the Walker Memorial Committee constitution were approved.

Price, however, was not enough to overcome the Tech lead.

The main feature of the gym meet was an outstanding performance of Bob Maxwell. He took first place on the high bar, the parallel bars, and the rings. He also snagged second place in tumbling.

At Prom Tonight



Pee Wee Hunt

Dramashop

(Continued from Page 1)

'42, John V. Carachia, '42, and Norton Polivnick, '41. The rest of the production staff are: in charge of costumes, Richard B. Lawrence, '40; publicity Lou Rosenblum, '42; programs, Norman T. Thomas, '40; properties, Sampson Grunes, '42; tickets, Barbara F. Laven, '40 and Dave B. Hoisington, '40, lighting and sound, Martin B. Levene, '42; and stage manager, Bernard A. Greenes, '42.

Five Sets to Be Used

Five different sets are now under construction, for the action of the play takes place in many different sections of Paris. Preliminary work is being done in Room 2-190 but the construction crew will later move to larger quarters on the Institute grounds.

All the work on the sets, both design and construction, is done by members of the Dramashop. The finished sets will be moved to Brattle Hall, Cambridge, where the play will open March 15 and run for two days.

Frosh Council

(Continued from Page 1)

23; Warren A. Schwarzmann, 24; and Addison P. Schade, 25.

Alternates Chosen

The alternates chosen are: John O'Meara, 1; J. T. Lipford, 2; A. J. Kelly, Jr., 3; S. M. Hill, 4; W. N. Giliat, 5; S. F. Greenwald, 6; B. E. Anderson, 7; James W. Goodhue, 8; George C. Marakas, 9; Arthur C. Angeles, 10; R. E. Henny, 11; J. T. Harker, 12; J. W. McDonough, Jr., 13; J. A. Mallock, Jr., 14; Douglas Scott, 15; V. C. Darnell, 16; Andrew T. Raczyński, 17; Whitney Newton II, 18; Charles A. Hathaway, 19; Eric W. Meder, 20; Bernard S. Brindis, 21; C. J. Lawson, Jr., 22; Dean F. Wheeler, 23; Frederick E. Allardt, Jr., 24; and Richard W. Barry, 25.

The nominations and elections of the Councilors were held during the past two weeks.

Beaver Key

(Continued from Page 3)

A.T.O.'s hadn't gotten over the effects of their scarlet fever, because they just couldn't get going. For S.A.E., which had a good working defense, Howie Heydt scored ten points. Don Scarff, an A.T.O. man, appeared to be the only one who could evade his opponents; he managed to drop in eight out of the ten points scored by the losers.

Try for Round Robin Berths

As the situation stands now, the following teams are lined up for an attempt at round robin berths: Phi Mu Delta vs. Senior House A. Chi Phi vs. Phi Beta Delta, and Phi Gamma Delta vs. the 5:15 club. Sigma Alpha Epsilon will play the winner of the Walcott-Beta Theta Pi game, which is to come off this weekend.

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Unveiling

(Continued from Page 1)

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